



10822 WEST TOLLER DRIVE
LITTLETON, COLORADO U.S.A. 80127
PHONE: (303) 948-4000/FAX: (303) 948-4010

November 9, 1999

Ms. Bonnie Lavelle
USEPA, Region 8
999 18th Street, Suite 500
Denver, CO 80202-2466

RE: MDL Study
Vasquez Boulevard/Interstate 70 (VB/I70) Site
Work Assignment 004-RICO-089R

Dear Bonnie,

Enclosed are results of the MDL study conducted on November 6, 1999. Four samples were used for this study including a baseline sample provided by ISSI (MDL-3) and three field samples selected by MK that contain arsenic within the range of 10 to 15 ppm (3-02418-B, 3-00919-B, and 3-02257-B). Seven aliquots of the baseline sample were submitted by ISSI. Each aliquot was ground, sieved, and analyzed individually. Seven aliquots of each field sample selected by MK were prepared and analyzed individually.

Three additional MDL studies will be conducted throughout this project. For each MDL study, three field samples selected by ISSI and the baseline sample will be analyzed. Results will be forwarded to you as they become available.

If you have any questions, please call me at (303) 948-4674.

Sincerely,

Ellen McEntee
Project Chemist

Enc.

cc: Marta Valentine
Kevin Williamson

**MDL Study
Vasquez Blvd/I-70**

Sample ID	Date/Time Analyzed	Lead (mg/Kg)	Arsenic (mg/Kg)	NIST STD Lead %R	NIST STD Arsenic %R	Mean		Standard Deviation		Standard Deviation x 3	
						Lead (mg/Kg)	Arsenic (mg/Kg)	Lead	Arsenic	Lead	Arsenic
3-02418-B1	11/06/99 1300	90	16								
3-02418-B2	11/06/99 1300	90	14								
3-02418-B3	11/06/99 1300	87	17								
3-02418-B4	11/06/99 1300	88	16								
3-02418-B5	11/06/99 1300	84	15								
3-02418-B6	11/06/99 1300	101	20								
3-02418-B7	11/06/99 1300	88	19	*56	117	90	17	5	2	15	6
3-00919-B1	11/06/99 1032	102	11								
3-00919-B2	11/06/99 1032	111	8								
3-00919-B3	11/06/99 1032	108	11								
3-00919-B4	11/06/99 1032	106	11								
3-00919-B5	11/06/99 1032	108	5								
3-00919-B6	11/06/99 1032	101	12								
3-00919-B7	11/06/99 1032	108	7	100	*65	106	9	4	3	12	9
3-02257-B1	11/06/99 1032	186	8								
3-02257-B2	11/06/99 1032	207	7								
3-02257-B3	11/06/99 1032	219	13								
3-02257-B4	11/06/99 1032	250	6								
3-02257-B5	11/06/99 1032	246	6								
3-02257-B6	11/06/99 1032	216	9								
3-02257-B7	11/06/99 1032	202	7	100	*65	218	8	23	2	69	6
MDL3-1	11/06/99 1300	136	6								
MDL3-2	11/06/99 1300	144	2								
MDL3-3	11/06/99 1300	140	4								
MDL3-4	11/06/99 1300	132	6								
MDL3-5	11/06/99 1300	128	9								
MDL3-6	11/06/99 1300	131	5								
MDL3-7	11/06/99 1300	133	10	*56	117	135	6	6	3	18	9

*Standard result is within +/- one times the MDL